

*Cont.*  
*A2*

- (b) providing first and second metal layers having openings therein on opposite surfaces of said inner dielectric element, said openings defining edges in said first and second metal layers, each said opening in said first metal layer being in substantial alignment with one of said openings in said second metal layer;
- (c) coating said inner dielectric element and said first and second metal layers and said edges of said first and second metal layers with a dielectric material to thereby form a coated structure having first and second outer dielectric layers covering the first and second metal layers respectively and having dielectric material in said openings of said first and second metal layers and covering said edges of said first and second metal layers;
- (d) forming one or more through vias extending through said coated structure, each said through via being in substantial alignment with said aligned openings in said first and second metal layers;
- (e) providing first and second outer metal layers covering said outer dielectric layers;
- (f) metallizing said [coated] through vias to form metallic via liners connecting said outer metal layers, said dielectric material extending into [lining] said vias being disposed between the metallic via liners and said first and second metal layers [by dielectric material of said coated structure].